

697.6

⁶⁶*The* **HOFFMAN**⁹⁹
Hot Water Instantly



THE HOFFMAN HEATER CO.
LORAIN, OHIO



THE HOFFMAN HEATER COMPANY

LORAIN, OHIO



MANUFACTURERS OF
INSTANTANEOUS AUTOMATIC GAS WATER
HEATERS, TANK HEATERS, STORAGE
HEATERS, THERMOSTATIC VALVES
For either Artificial or Natural Gas as Specified

A FEW FACTS

THE Hoffman Heater Company which started in business six years ago has made wonderful strides in the manufacturing business, and today stands among the leaders in the manufacturing of Water Heaters and other Gas Appliances. In fact, can furnish you with the most complete line of Water Heaters of any manufacturer in the business today.

We can furnish you with any size Heater from the smallest Tank Heater to the largest Automatic Heater required for domestic use and from the cheapest to the highest grade. You can select from the HOFFMAN line of Water Heaters one that is suitable for any building that you wish to equip, from the smallest cottage, to the largest mansion, hotel or office building. Try them and satisfy yourself.

GUARANTEE

OUR goods are all guaranteed for one year, against any defects in workmanship or material. We also guarantee our Heaters to do all that we claim for them, and if, after same have been properly installed as per instructions accompanying each Heater, you should find that they do not do the work as specified, you may return the Heater at any time, within 60 days, and your money will be refunded.

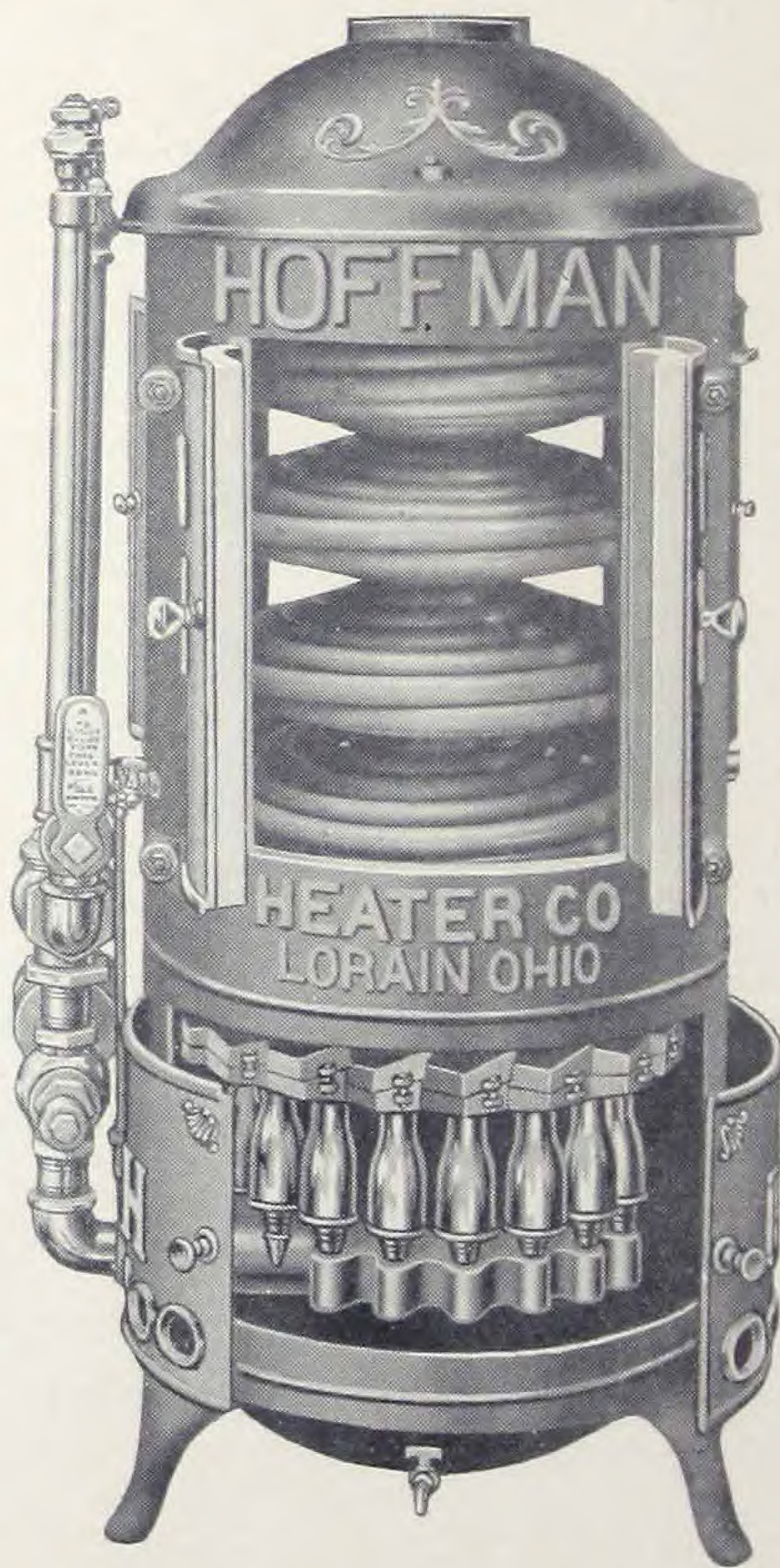
The Hoffman Heater Company,
By B. F. Koch, President.

The Hoffman Heater Company is represented by all the leading Supply Houses throughout the United States and Canada.

The Hoffman Heater Company,
Executive Office & Works, Washington Ave.,
and N. Y. C. & St. L. R. R.

THE HOFFMAN HEATER CO., LORAIN, OHIO

The Cut below shows the latest Improved HOFFMAN Instantaneous Automatic Gas Water Heater in the 4 and 6 gallon size.



For either Natural or Artificial Gas, as specified.

No. 4-D Heater—Capacity 4 gallons per minute.

No. 6-F Heater—Capacity 6 gallons per minute.

For full information see Page 6.

Patented Jan. 10, 1905; Feb. 19, 1907.

Other patents pending.

“THE HOFFMAN”—HOT WATER INSTANTLY

EVER READY

Turn the Faucet and the “HOFFMAN” does the rest.

Hot Water adds more to the health and happiness of a family than any luxury that you can add to a modern home, so why be without it? Not the kind that you get from the “kitchen boiler” that is luke warm, but good scalding hot water from any hot water faucet in the house, from the laundry to the bath-room, day or night.

You can have this modern convenience added to your home at a very moderate cost, by installing the “HOFFMAN” which will save you fuel and add to the comforts of your home many times the cost of it.

With the use of Natural Gas the “HOFFMAN” will give you a hot bath for less than one-third of a cent and is always ready. By heating water in a range boiler it will cost five times as much, and never ready when you want it.

There is no stale, rusty or dirty water when you use the “HOFFMAN,” as the water heats as it passes through the copper tubing and is always fresh and clean.

By using an Automatic Heater you are not annoyed with the heat during the hot summer months, as you have no storage of hot water to radiate the heat through the house.

SAVE MONEY BY USING THE HOFFMAN

With Natural Gas at 25c per thousand, using at the rate of 50 gallons of hot water per day, it will cost you (including the wastage of hot water in pipes and pilot light) about 75c per month. This is the cheapest possible way that you could heat this amount of water.

The “HOFFMAN” once used, always used. TRY ONE.

DESCRIPTION OF No. 4 HEATER, MODEL "D"
AND No. 6 HEATER, MODEL "F"

The heating surface of the No. 4 Heater is constructed of over 100 lineal feet of $\frac{3}{4}$ inch diameter heavy seamless drawn copper tubing, tested to 300 pounds pressure.

The double Cast Iron Jacket is made with a one inch insulated dead air space between the two walls, which retains the heat on the coils.

The Heating Surface of the No. 6 Heater is constructed of over 125 lineal feet of $\frac{7}{8}$ inch diameter heavy seamless drawn copper tubing tested to 300 pounds pressure.

These Heaters are equipped with double self-closing spring doors, both at top and bottom.

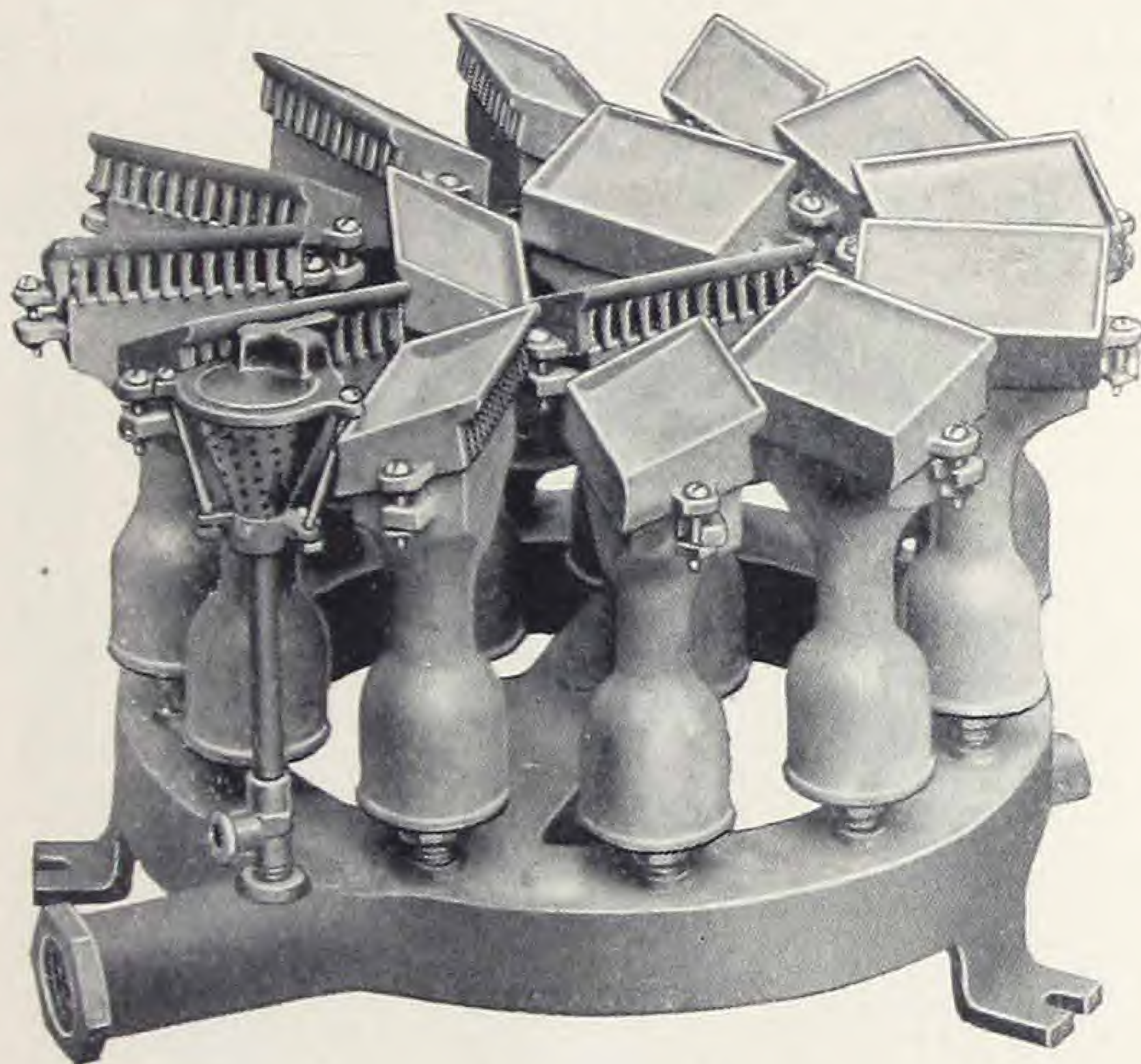
The Burners are of a special design, so constructed as to throw the flame all in one direction in a swirl around the Heater, and are considered by experts, in the gas appliance business, to be the strongest Burners on the market.

These Heaters are equipped with both a Pressure Valve and Thermostatic Valve. The pressure valve automatically turns on the gas to the main burner, (which is lighted by the tiny Pilot Light) whenever any hot water faucet is turned on in any part of the house, and automatically cuts off the gas the instant the faucet is closed. The Thermostatic Valve controls the temperature of the water, by regulating the flow of gas



Sectional Cut
of Burner

“THE HOFFMAN”—HOT WATER INSTANTLY



The above cut shows the Gas Burner of the No. 4 “D.”

in accordance with the temperature of the water, cutting the gas entirely off when the water is heated to the temperature that the Thermostat is set for. The Thermostatic Valve can be regulated to heat the water to any desired temperature.

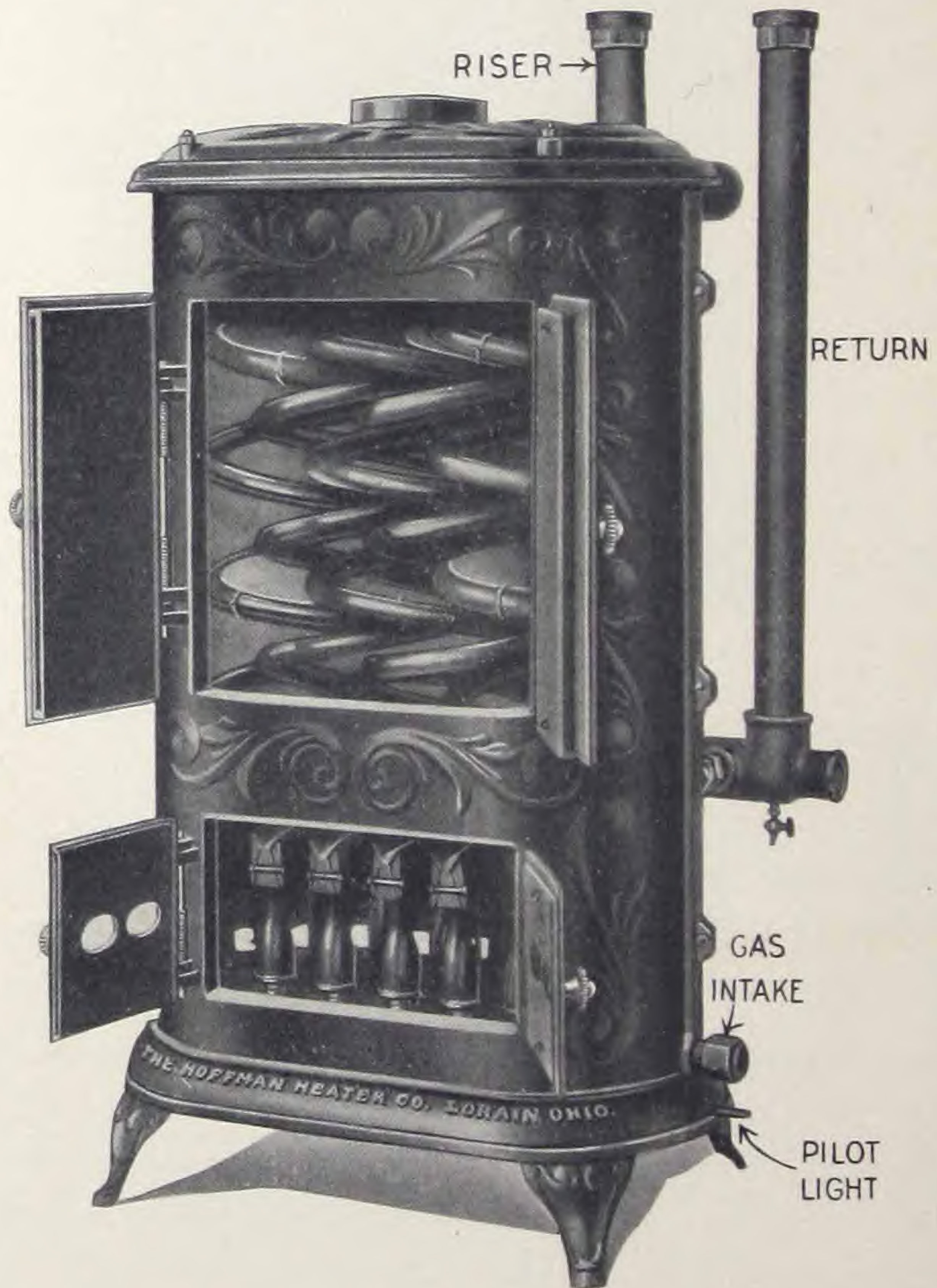
These Heaters are equipped with a Drip Pan under the Base to catch the condensation from the coils, which can be drained by Pet Cock in front of pan. All Instantaneous Automatic Water Heaters condense (or sweat) more or less when the water is cold, and many times inexperienced people think the coils are leaking.

These Heaters can be successfully used as a Re-heating System, with boiler connected to either range in kitchen, or furnace in basement. See full instructions and cut on pages 14 and 15.

THE HOFFMAN HEATER CO., LORAIN, OHIO

No. 650

THE HOFFMAN STORAGE HEATER



This Heater is used for heating storage boilers ranging from 100 to 500 gallons, has a capacity of 200 gallons per hour, has Thermostatic Valve which can be set to heat the water to any desired temperature from 130 to 190 degrees.

“THE HOFFMAN”—HOT WATER INSTANTLY

DESCRIPTION OF THE No. 650 HEATER AND THE 652 THERMOSTATIC VALVE

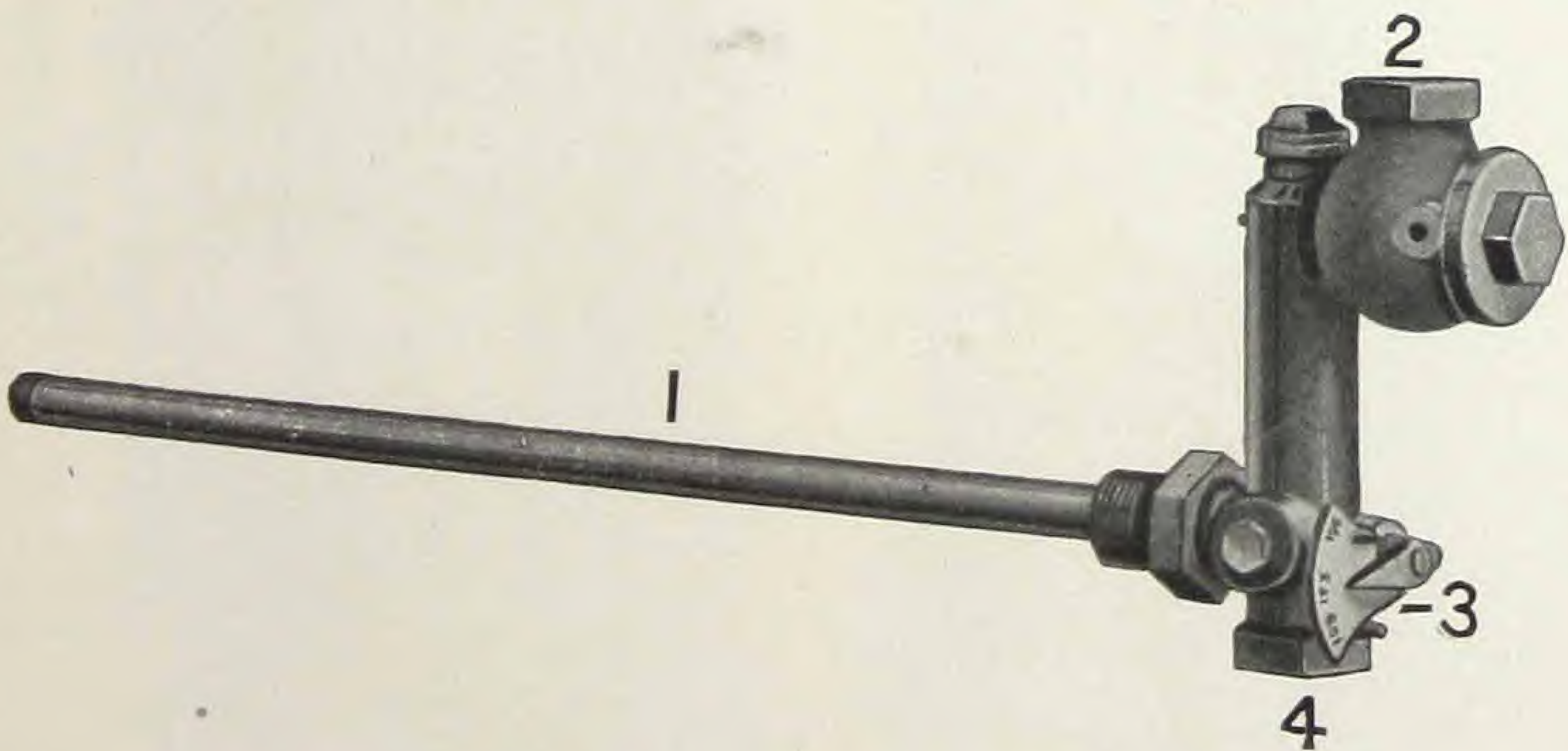
The cut on page 8 shows the interior construction of the Hoffman Storage Heater No. 650, for heating large storage tanks.

This Heater is constructed for use with either Natural or Artificial Gas as specified.

CAPACITY—Capacity of Heater is 200 gallons per hour.

DESCRIPTION—Heater is constructed with a Double Cast Iron Jacket, packed between lining and outside casing with Asbestos Fiber.

COILS—Are constructed of the very best Seamless Drawn Copper Tubing, one inch in diameter, wound in five separate sections connecting at Top and Bottom to a Manifold at back of Heater, which is constructed for 2-inch iron pipe connections.



THERMOSTATIC VALVE—We advise IN ALL CASES the use of our No. 652 Thermostatic Valve with the Storage Heater.

No. 1—Copper tube covering porcelain rod.

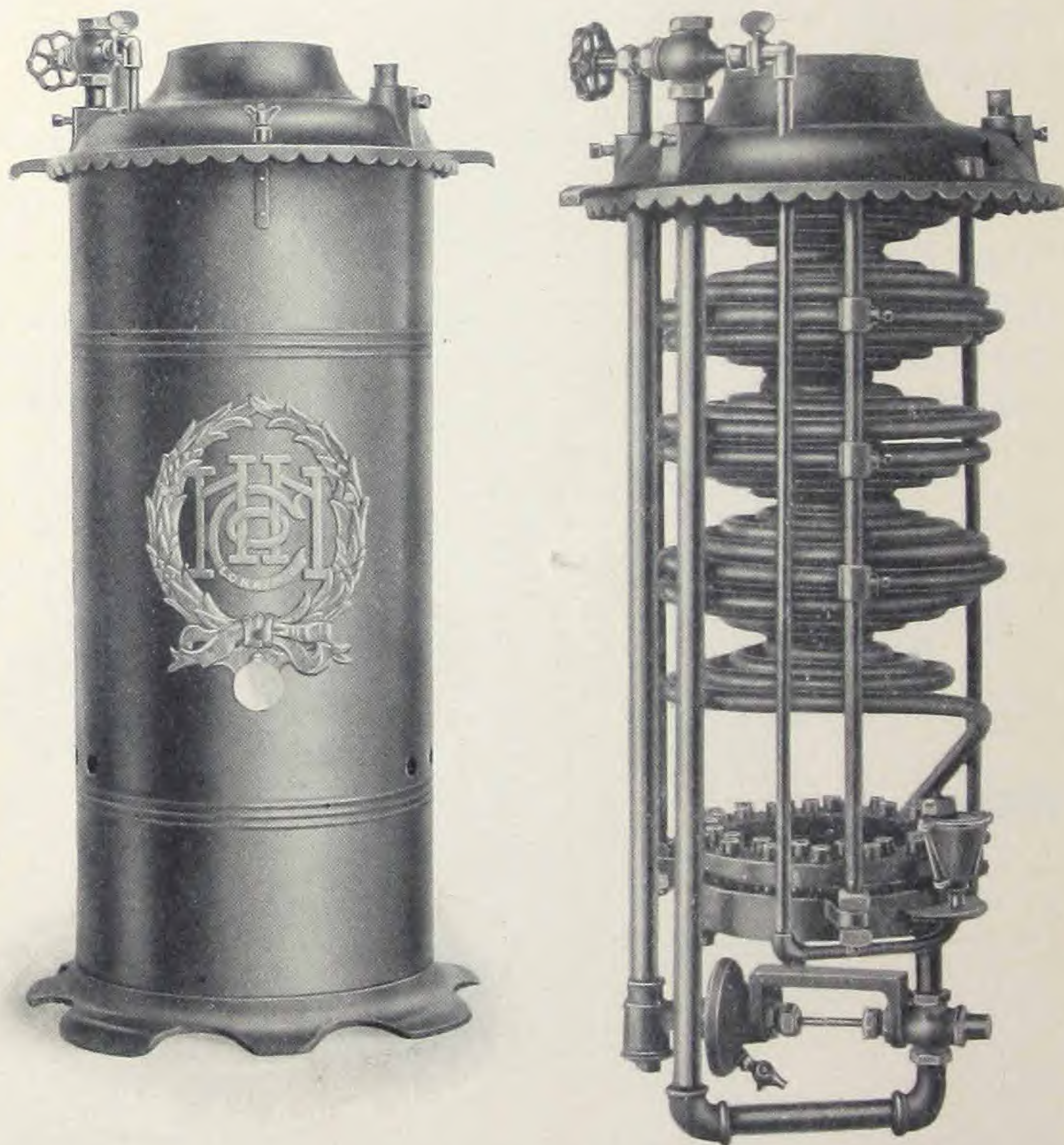
No. 2—One Inch Gas Inlet.

No. 3—Dial for regulating temperature of water.

No. 4—One inch Gas outlet.

THE HOFFMAN HEATER CO., LORAIN, OHIO

SHOWING SECTIONAL VIEW OF THE No. 3,
"SERIES B" INSTANTANEOUS AUTO-
MATIC GAS WATER HEATER



For Natural Gas Only.

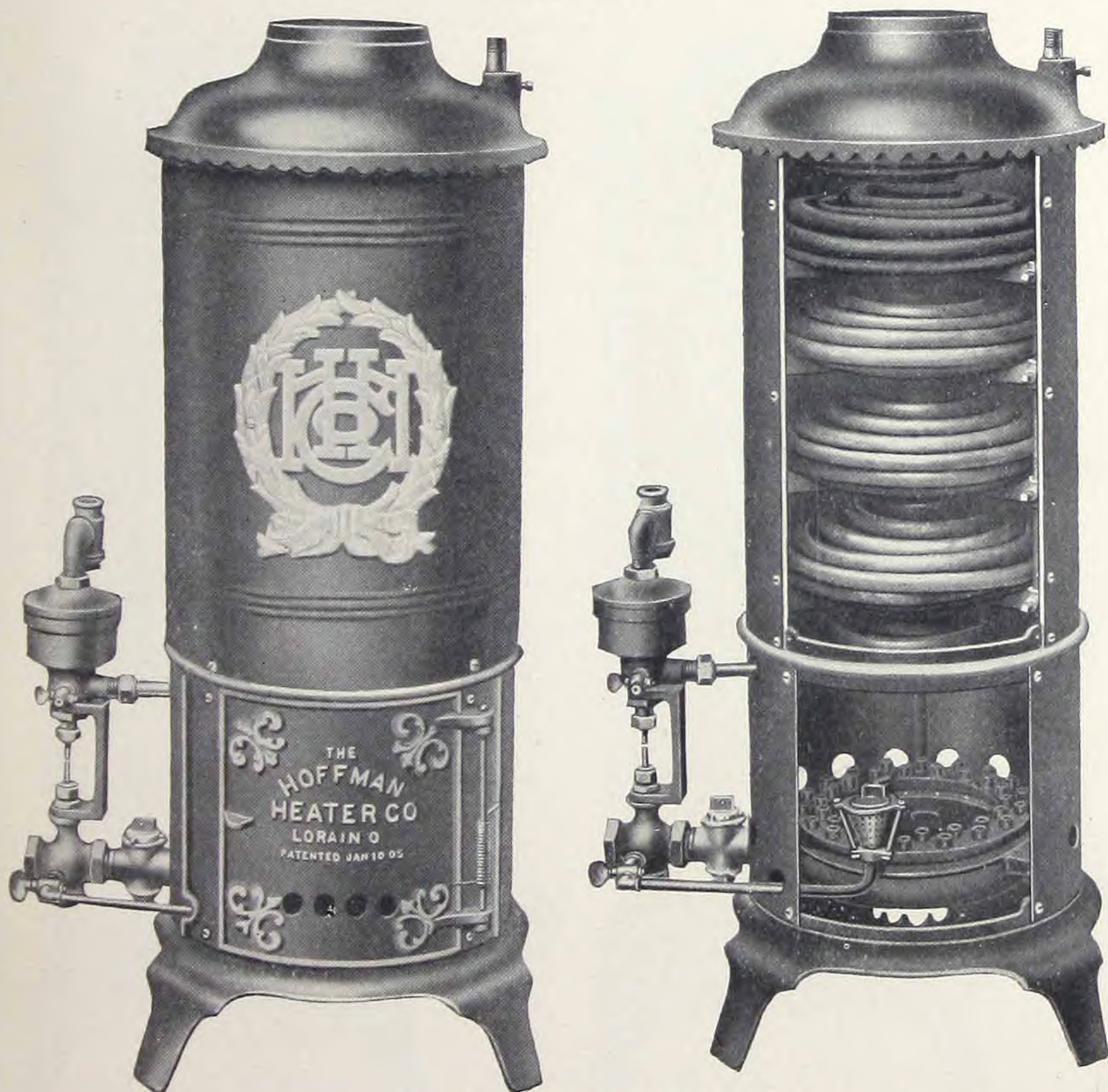
CAPACITY—3 gallons hot water per minute.

Description see page 13.

Full instructions for installing see page 18.

“THE HOFFMAN”—HOT WATER INSTANTLY

SHOWING SECTIONAL VIEW OF THE No. 3 AND
No. 4 “SERIES A” HOFFMAN INSTANTA-
NEOUS AUTOMATIC GAS WATER
HEATER



For Natural Gas Only.

No. 3-A—CAPACITY—3 gallons hot water per minute.

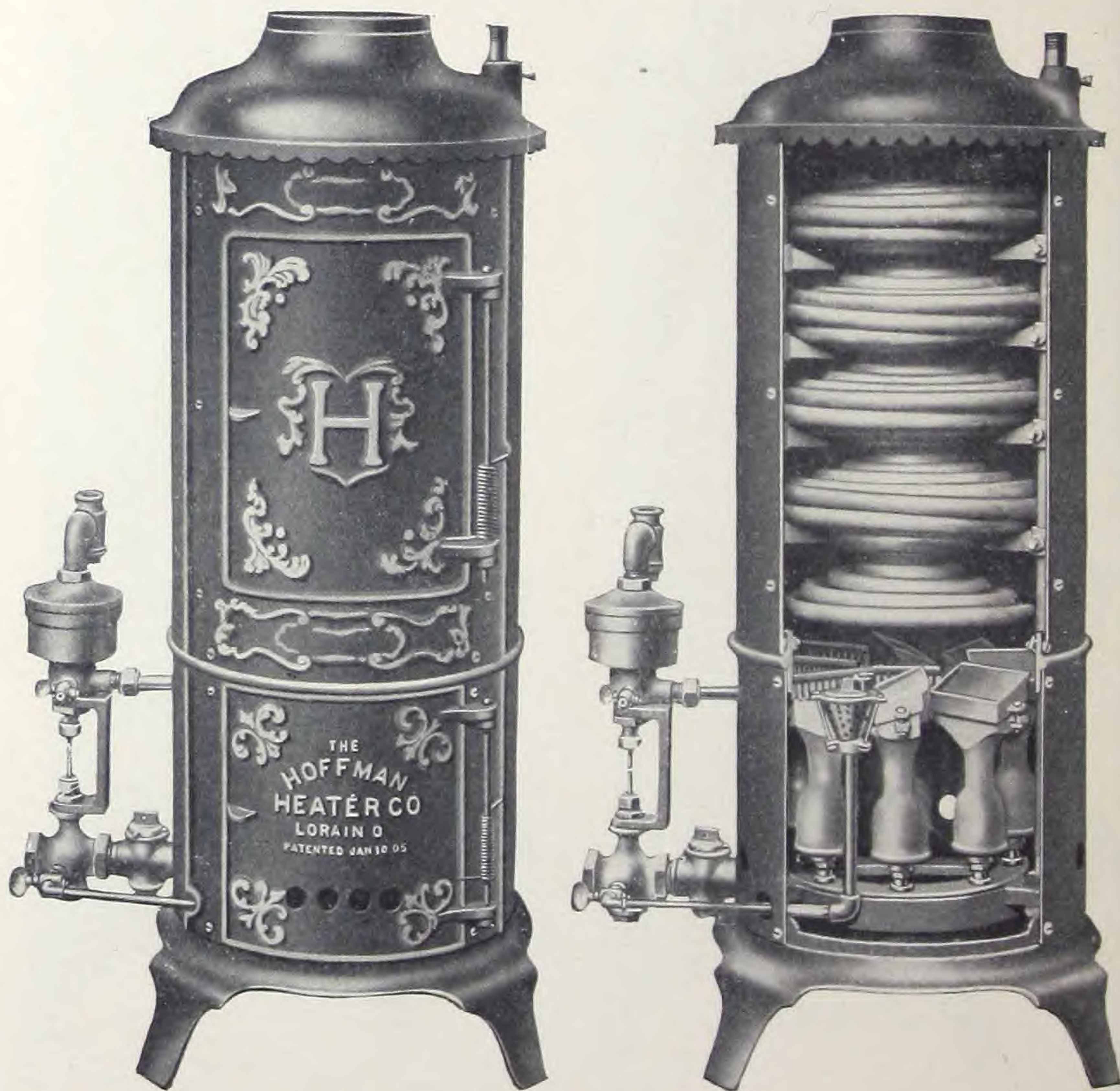
No. 4-A—CAPACITY—4 gallons hot water per minute.

Description see page 13.

Full instructions for installing see page 18.

THE HOFFMAN HEATER CO., LORAIN, OHIO

SHOWING SECTIONAL VIEW OF THE No. 30 HOFF-
MAN INSTANTANEOUS AUTOMATIC GAS
WATER HEATER



For Artificial Gas Only.

CAPACITY—3 gallons hot water per minute.

Description see page 13.

Full information for installing see page 18.

“THE HOFFMAN”—HOT WATER INSTANTLY

DESCRIPTION—No. 3 “Series B”

This Heater is 36 inches high; 13 inches in diameter and is designed to hang on Brackets 40 inches or more from the floor. The Jacket is removed by taking off the two thumb screws at the top and sliding jacket down.

The Jacket is constructed of a double thickness of heavy polished steel with asbestos board between the two jackets.

The Coils are constructed of over 60 lineal feet of heavy seamless drawn copper tubing $\frac{5}{8}$ inch in diameter.

This Heater is suitable for a residence with one bath-room and other hot water fixtures.

DESCRIPTION—Nos. 3 and 4 “Series A”

The Jacket is constructed of a double thickness of heavy polished steel with asbestos board between the two jackets.

The Coils are constructed of heavy seamless drawn copper tubing $\frac{5}{8}$ inches in diameter. Over 60 lineal feet in No. 3 and over 75 lineal feet in No. 4.

DESCRIPTION—No. 30. For Artificial Gas Only

This Heater is 38 inches high; 13 inches in diameter and has self-closing spring doors at top and bottom.

Jacket is constructed with a combination of Cast Iron and double thickness of heavy polished steel with asbestos board between the two jackets.

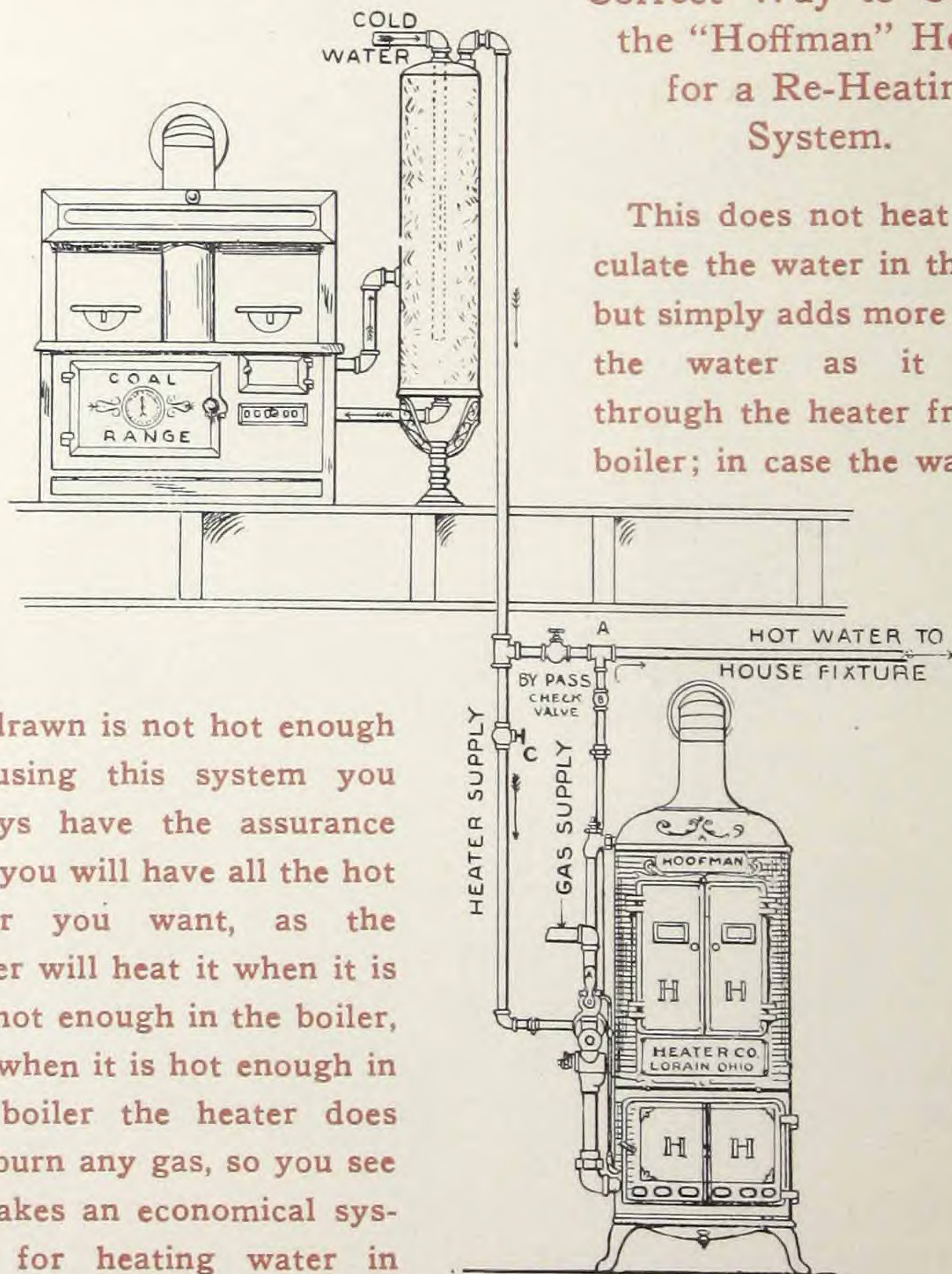
Coils are constructed of over 75 lineal feet of heavy seamless drawn copper tubing $\frac{5}{8}$ inch in diameter.

This Heater is suitable for a residence with one bath-room and other hot water fixtures.

For full information see page 18.

RE-HEATING SYSTEM

Correct Way to Connect
the "Hoffman" Heater
for a Re-Heating
System.



ing drawn is not hot enough by using this system you always have the assurance that you will have all the hot water you want, as the heater will heat it when it is not hot enough in the boiler, and when it is hot enough in the boiler the heater does not burn any gas, so you see it makes an economical system for heating water in

case you have a boiler already in. Always have heater connected in this way as it will save you money where you burn artificial gas.

THE HOFFMAN RE-HEATING SYSTEM

This manner of connecting Instantaneous Automatic Water Heaters is especially popular when Artificial Gas is used, as you utilize the partially heated water from the kitchen boiler already installed, and heated by coal fire either from Range or Furnace during the cold winter months, which makes a great saving in the consumption of gas, as the Heater will only burn sufficient gas to heat the water to 150 degrees “F”. As soon as the water reaches this degree of temperature the action of the Thermostatic Valve caused by the hot water passing over it automatically cuts off the gas, and as soon as the temperature of the flowing water falls below 150 degrees the Heater automatically turns on enough gas to bring the temperature up to 150 degrees. When there is no hot water faucet open the gas is entirely shut off and will not light again until the water being drawn from boiler needs more heat added.

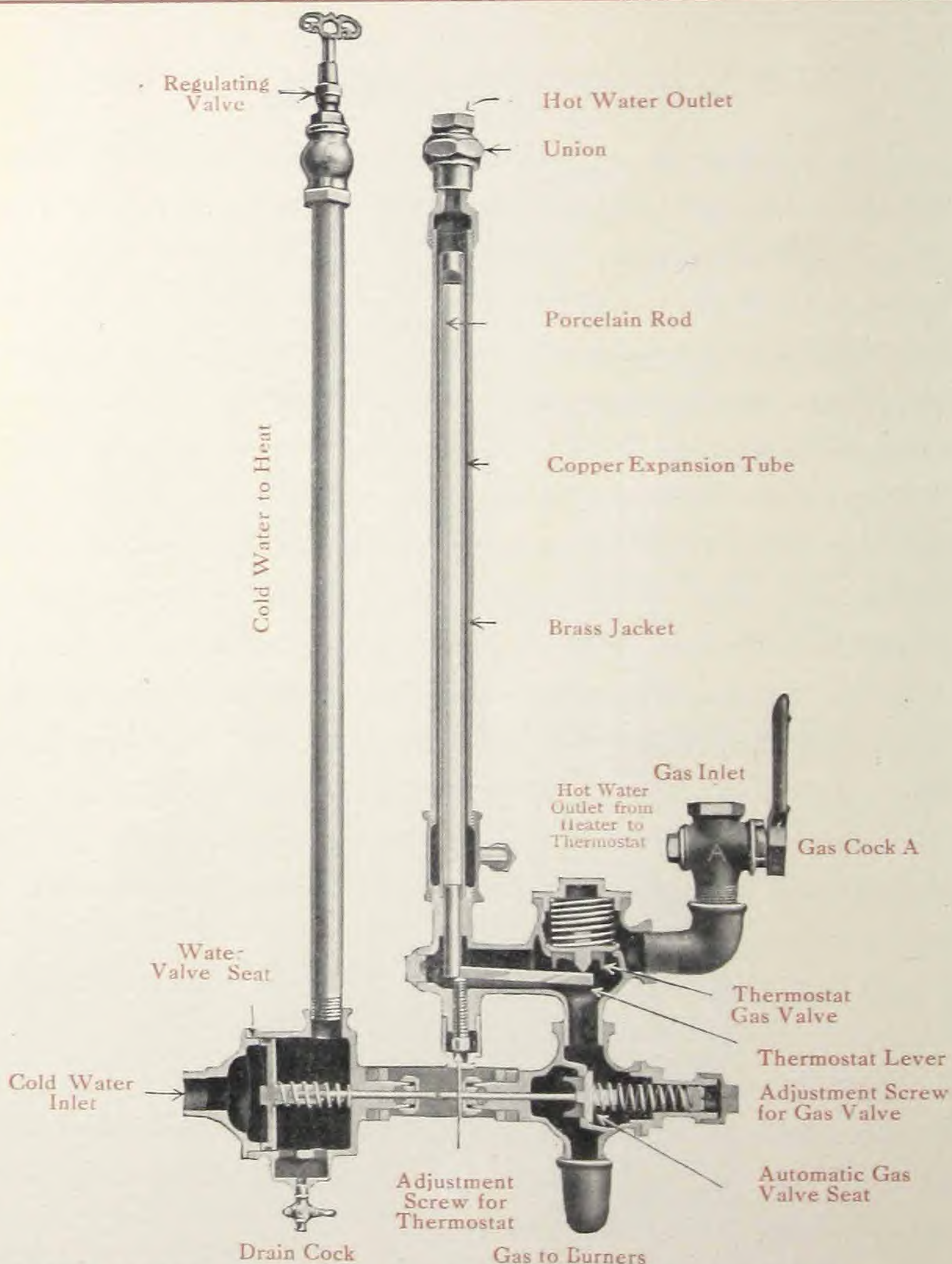
We do not recommend this System where Natural Gas is used in range and in furnace, as there is no saving over the direct system only where coal is used.

By using the HOFFMAN you will always have an abundance of hot water whether your coal fire is burning or not.

Observe closely the cut on the left and see that you get the Heater connected up properly, taking the hot water line from top of boiler to inlet of Heater, and in this way passing all the water from boiler through the Heater to fixtures.

Our smaller Heaters No. 3, No. 4, Series A, and B and No. 30 cannot be used as a re-heating system, but must have direct connections.

THE HOFFMAN HEATER CO., LORAIN, OHIO



CUT SHOWING SECTIONAL VIEW OF THE HOFFMAN THERMOSTATIC AND AUTOMATIC VALVES

You will see by the above cut that we use two direct gas valves, the thermostat acting entirely independent of the automatic gas valve, should the automatic valve stick, the thermostatic valve will cut off the gas as soon as the water is heated to the temperature that the valve is set for.

“THE HOFFMAN”—HOT WATER INSTANTLY

PRICES OF “HOFFMAN” AUTOMATIC AND STORAGE HEATERS

No. 3, Series “B”—For Natural Gas only.

Capacity—3 gallons hot water per minute. Suitable for dwellings with one bath-room, and other hot water fixtures. \$45.00

No. 3, Series “A”—For Natural Gas only.

Capacity—3 gallons hot water per minute, suitable for dwelling having one bath-room and other hot water fixtures. \$50.00

No. 4, Series “A”—For Natural Gas only.

Capacity—4 gallons hot water per minute. This Heater is the standard size and suitable for any ordinary sized house, having one or two bath-rooms and other hot water fixtures \$60.00

No. 30—For Artificial Gas only.

Capacity—3 gallons hot water per minute, suitable for dwellings with one bath-room and other hot water fixtures. \$65.00

No. 4, Series “D”—For Natural or Artificial Gas, as specified.

Capacity—4 gallons hot water per minute. This is a standard size and suitable for the modern home with one or more bath-rooms and other hot water fixtures. This Heater will supply the average family with all the hot water needed \$100.00

No. 6, Series “F”—For Natural or Artificial Gas, as specified.

Capacity—6 gallons hot water per minute. We recommend this Heater for a large residence with two or more bath-rooms; also for small hotels, rooming houses or flat buildings \$130.00

No. 650 Storage—For Natural or Artificial Gas, as specified.

Capacity—200 gallons per hour. This Heater is used to heat boilers ranging in size from 100 to 500 gallons. \$120.00

Note—Above prices do not include plumbing connections.

All prices F. O. B. Factory.

See guarantee on page 3.

INSTRUCTIONS FOR CONNECTING AND ADJUST- ING HOFFMAN AUTOMATIC HEATERS

- No. 3 "B"—Hang on Brackets 40 inches or more from the floor. Connect to chimney with 6 inch stove pipe direct, never to be reduced. Use damper where draft is strong, but never close it more than half way. Use Globe Valves on both hot and cold water lines. Regulate flow of water on hot water line to 3 gallons per minute, $\frac{1}{2}$ inch gas connections required.
- No. 3 "A"—Place Heater on basement floor near a chimney. Connect to chimney with 6 inch stove pipe direct, never to be reduced. Use damper if draft is strong, but never close more than half way. Water connections and regulations same as No. 3 "B", except gas connections to be 1 inch.
- No. 4 "A"—Connect same as No. 3 "A", but regulate flow of water to 4 gallons per minute.
- No. 30—The same connections as above. Use a 30-light gas meter in connecting up this Heater, with a full inch line running direct from Meter to Heater.
- No. 4 "D"—Connect to chimney with 6 inch stove pipe direct, not to be reduced or connected in any other pipe. Use no damper. $\frac{3}{4}$ inch water connections. Regulate flow of water with Key Valve to 4 gallons per minute. 1 inch Gas connections direct from Meter to Heater. Never use less than a 30-light meter.
- No. 6 "F"—Connect same as No. 4 "D", except gas connections must be $1\frac{1}{4}$ inch line direct from a 40-Light Meter to Heater.
- No. 650 Storage.—Place this Heater as near to boiler as possible and make return connections (2 inches) direct from bottom side of boiler to Heater. Discharge hot water at end of boiler or at top side with 2 inch line.

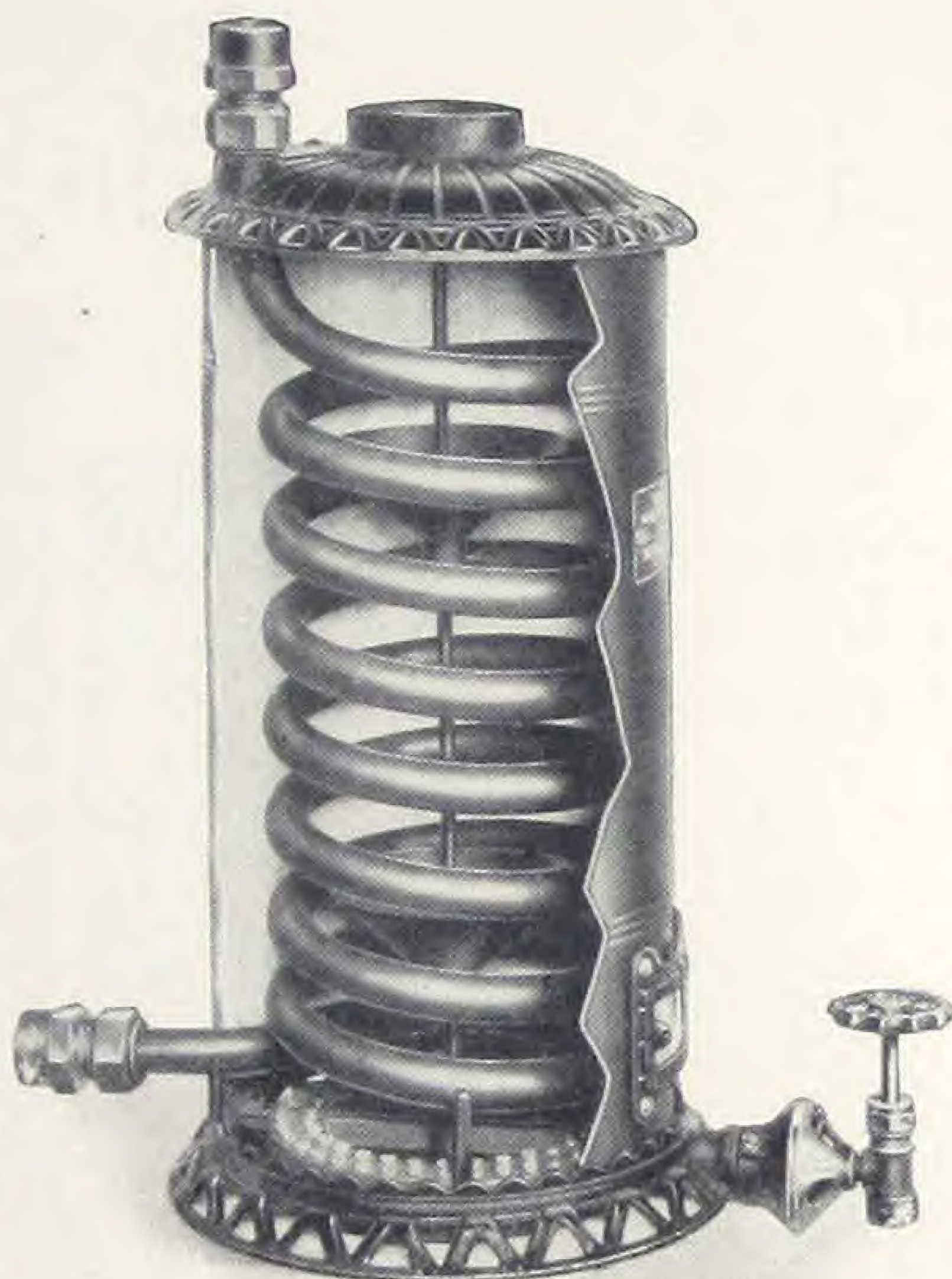
“THE HOFFMAN”—HOT WATER INSTANTLY

THE HOFFMAN TANK HEATER

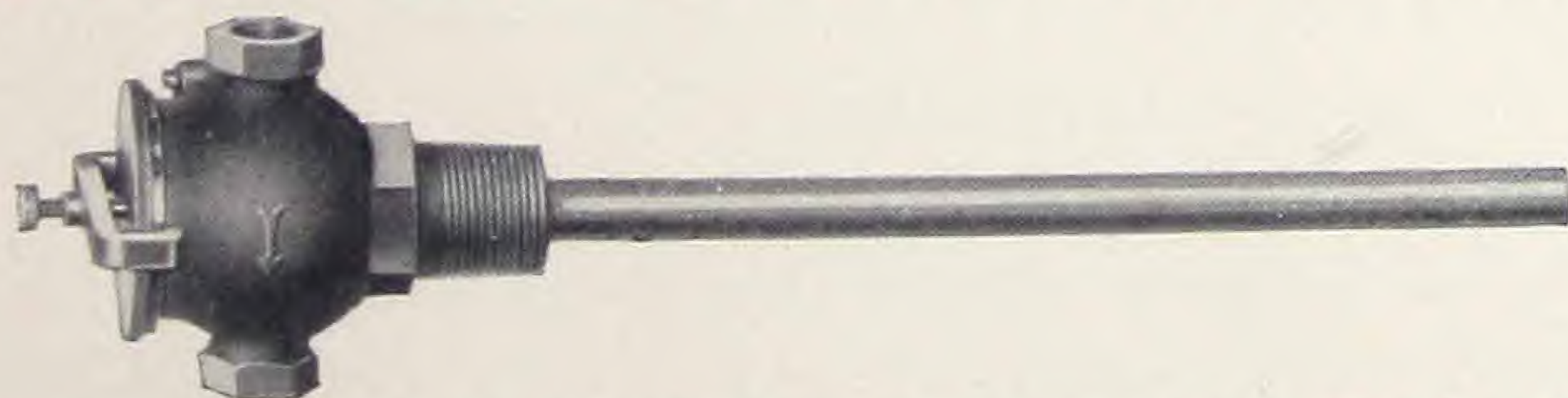
Cut showing inner construction of
the Improved Hoffman
Tank Heater.

A TANK HEATER OF QUALITY.

This Heater is constructed with a Polished Steel Jacket lined with Asbestos Board, Cast Iron Deflections, Heavy Seamless Copper Tubing, with either Needle Valve or Lever Handle with Nickle Plated Air Mixer, Brass Ground Joint Couplings, and Improved Drilled Burner.



THE HOFFMAN THERMOSTATIC VALVE



This Valve should be installed in the side of the Tank. It is very simple in construction, and depends upon the law of expansion and contraction of metals from heat and cold. The gas supply is controlled by the temperature of the water. The valve may be set for any desired temperature, and no further attention is necessary. The cost of the valve is saved many times over in the course of a few months on account of the small amount of gas used.

Price

No. 250. For Natural Gas, $\frac{3}{8}$ in. connection, 10 in. Tube.....\$7.00
No. 260. For Artificial Gas, $\frac{1}{2}$ in. connection, 10 in. Tube..... 8.00

THE HOFFMAN HEATER CO., LORAIN, OHIO

PRICE LIST AND DESCRIPTION OF THE HOFFMAN TANK HEATER

For Either Natural or Artificial Gas as Specified.

No. 0—7½ inches in diameter, 13 inches high, ¾-inch copper coil.
Usually connected to 24 or 30 gallon boiler.

Price, with Polished Steel Jacket.....\$11.00

Price, with Brass Jacket 13.00

Shipping Weight (6 in Crate), 85 lbs.

No. 1—7½ inches in diameter, 15 inches high, ¾-inch copper coil.
Usually connected to 30 or 40 gallon boiler.

Price, with Polished Steel Jacket\$12.50

Price, with Brass Jacket 15.00

Shipping Weight (6 in Crate), 95 lbs.

No. 1½—7½ inches in diameter, 18 inches high, ¾-inch copper
coil. Usually connected to 40 or 60 gallon boiler.

Price, with Polished Steel Jacket\$15.00

Price, with Brass Jacket 18.00

Shipping Weight (6 in Crate), 105 lbs.

No. 2—7½ inches in diameter, 21 inches high, ¾-inch copper coil.
Usually connected to 60 to 100 gallon boiler.

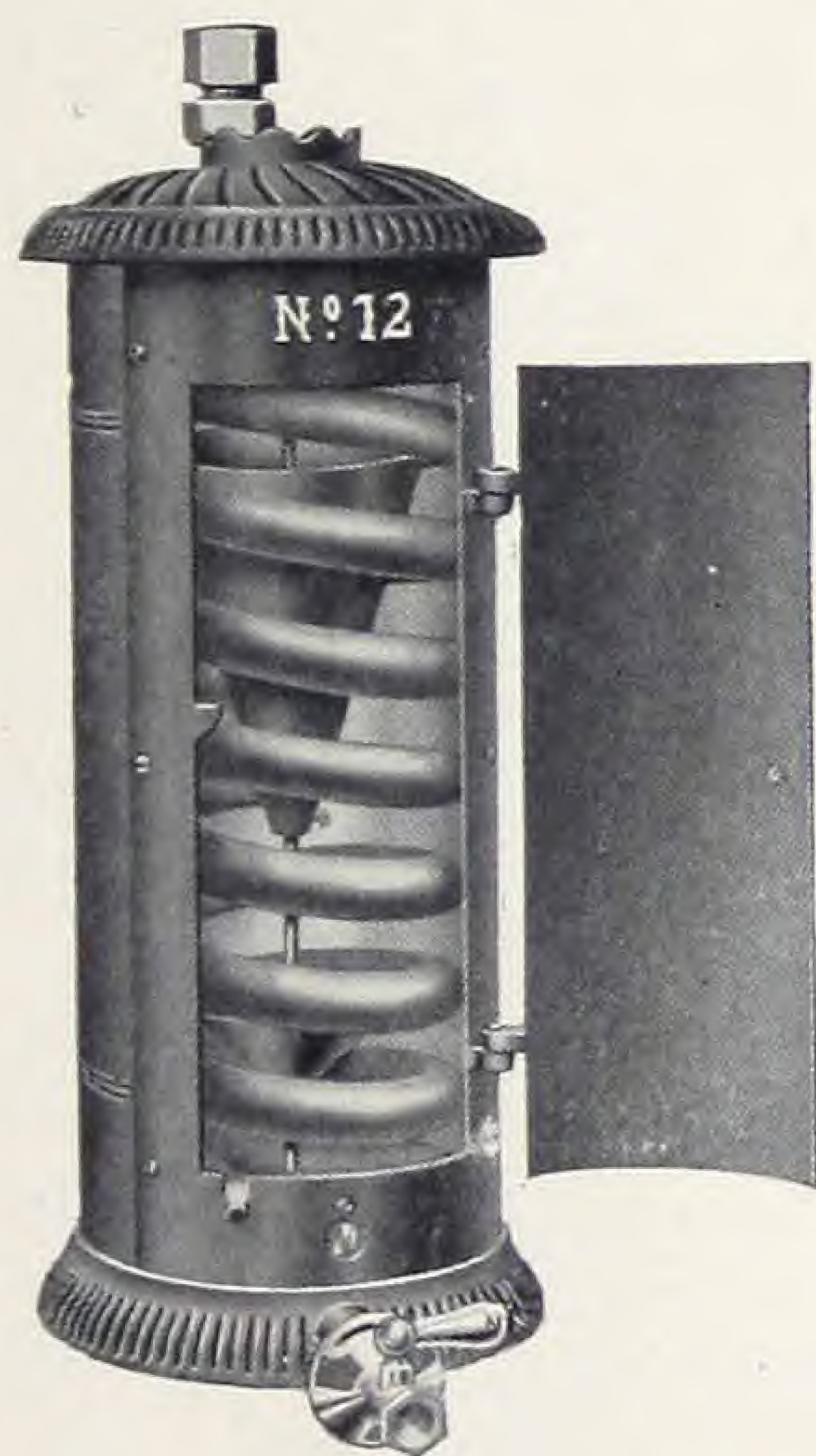
Price, with Polished Steel Jacket.....\$20.00

Price, with Brass Jacket 24.00

Shipping Weight (6 in Crate), 120 lbs.

Heaters with Polished Steel Jackets will be shipped, unless other-
wise specified.

“THE HOFFMAN”—HOT WATER INSTANTLY



Cut showing interior of No. 12 heater with
ONE INCH COIL.

This style of Heater is constructed with a Steel Jacket lined with Asbestos board, cast iron front, and door opening the full length of the Heater, cast iron deflector with 1 inch heavy copper tubing.

No. 10 Heater is 18 inches high; 8 inches in diameter. It is suitable for heating boilers ranging from 40 to 60 gallons in size.

No. 12 Heater is 22 inches high; 8 inches in diameter. It is suitable for heating boilers ranging from 60 to 150 gallons in size.

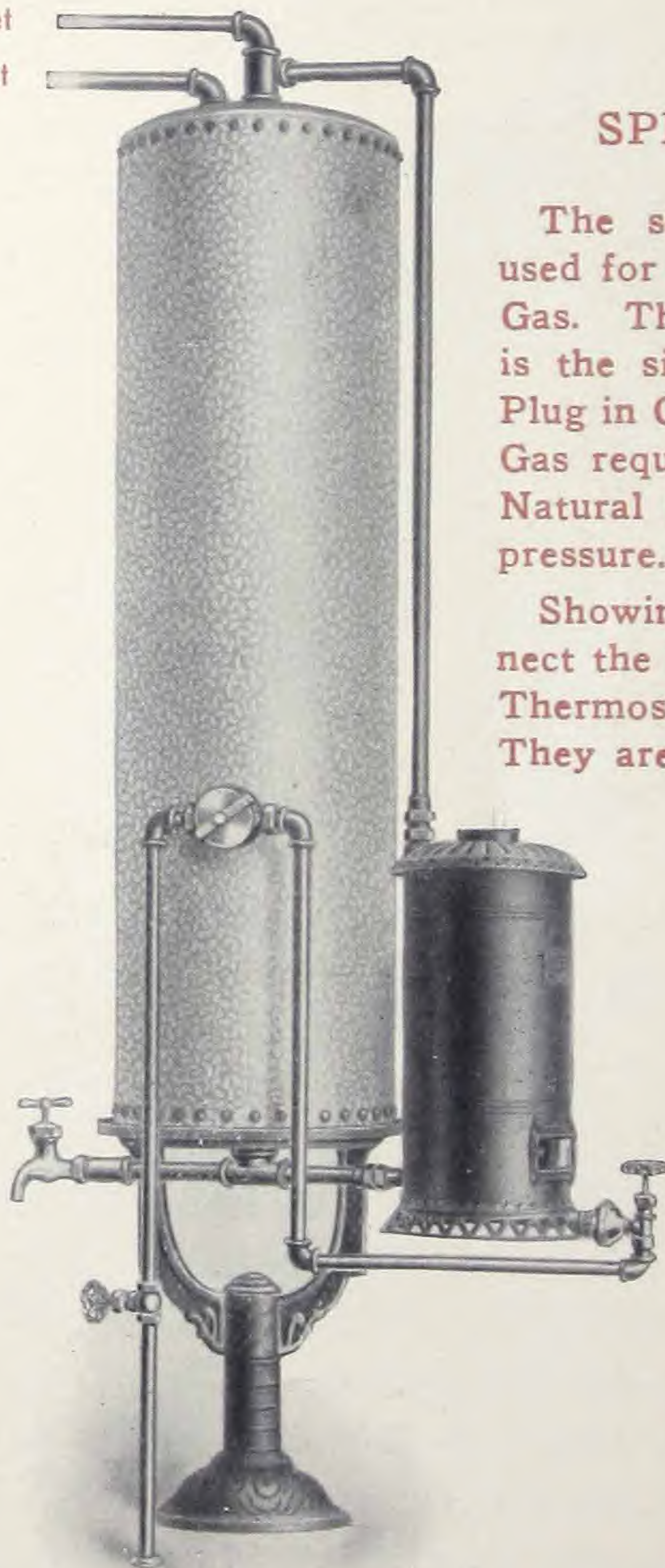
Price	No. 10	\$20.00
-------	--------	---------

Price	No. 12	25.00
-------	--------	-------

CORRECT CONNECTIONS

Hot Water Outlet

Cold Water Inlet



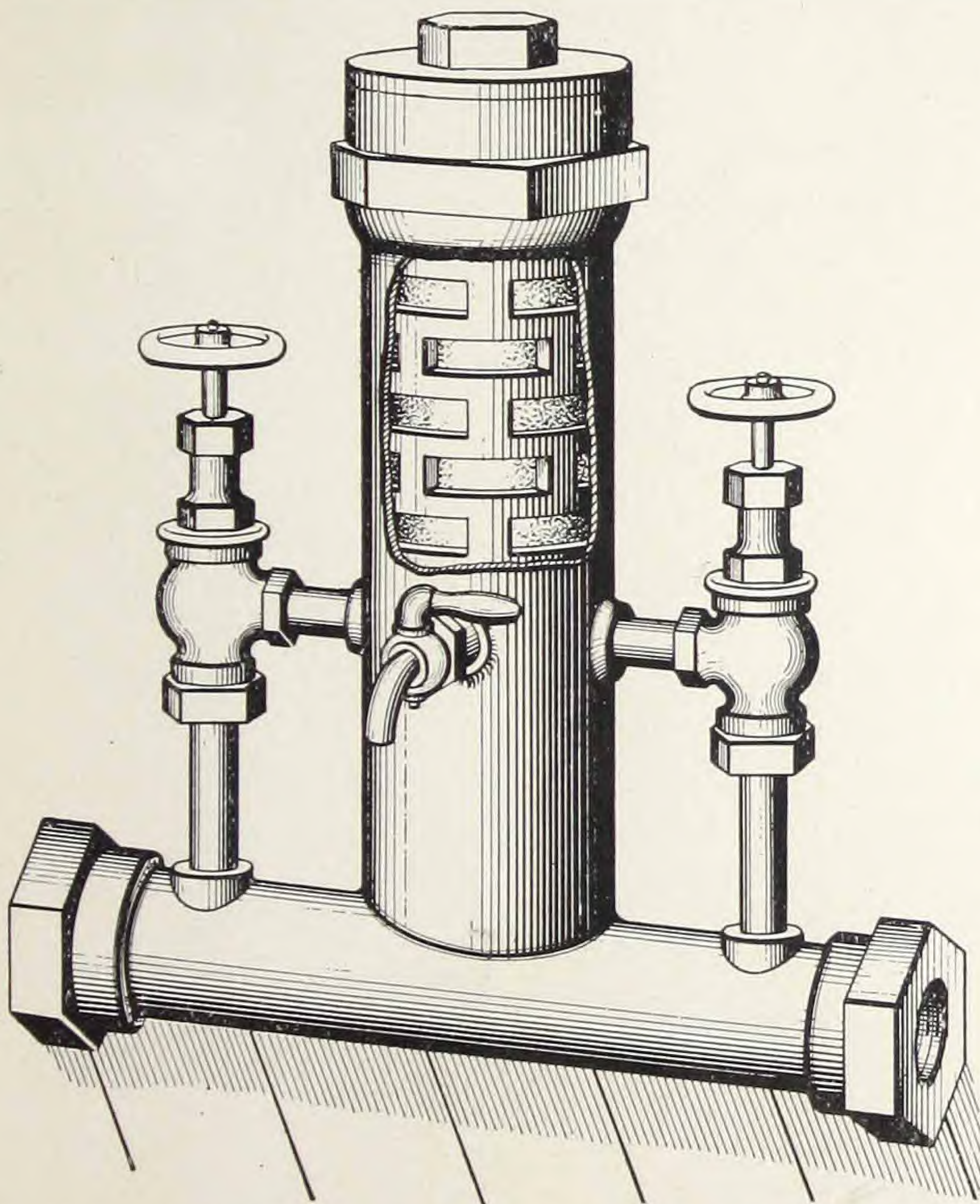
Gas Inlet

SPECIAL NOTICE

The same heater may now be used for either Artificial or Natural Gas. The only change necessary is the size of opening in Orifice Plug in Gas Valve, as the Artificial Gas requires a larger orifice than Natural Gas on account of lower pressure.

Showing the proper way to connect the Hoffman Tank Heater and Thermostatic Valve to Boiler. They are the best. Use no other.

“THE HOFFMAN”—HOT WATER INSTANTLY



Dehn's Automatic Water Softener and Scale Removing Devices, will positively overcome the accumulation of Lime, Magnesia, and other incrusting minerals in Water Backs, Coils in Ranges, Furnaces and Heaters, Tank, Laundry or Automatic Instantaneous Heaters, Boilers and wherever these difficulties are experienced.

These Devices have now been on the market for more than ten years and are in universal use in all parts of the United States, Canada and foreign countries. They are installed in Residences, Hotels, Restaurants, City and Country Clubs, City, County and State Institutions, Barber Shops, Sanitariums, Hospitals, Universities, Colleges, etc.

We guarantee to prevent the Lime, Magnesia and other incrusting minerals from accumulating wherever this trouble has been experienced, if our Compound Injectors are installed and our Kompost Bricks used according to our directions. The Injectors are simple and durable, nothing to get out of repair, anyone can operate them after they are installed.

The size of Injector required depends on the size of the pipe the Injector is to be connected in. The Kompost Brick will dissolve in the water regardless of how cold or hot it may be. For an ordinary residence you can regulate the two valves on Injector so that a Kompost Brick will last for several weeks, hence you can obtain neutralized water and be relieved of an endless trouble for the nominal sum of five dollars, (\$5.00) per year.

The water can be used for the same purposes as it was before the Injector was installed.

HOW TO ORDER COMPOUND INJECTORS

Order the Compound Injectors according to the size of pipes connecting with water back, coil, heater, boiler, etc.

We carry in stock, packed ready for shipment, the following

Fig. 34. 1 No. 5— $\frac{3}{4}$ -inch COMPOUND INJECTOR and 15 No. 5 KOMPOST BRICKS.

Fig. 35. 1 No. 6—1-inch COMPOUND INJECTOR and 24 No. 6 KOMPOST BRICKS.

Fig. 36. 1 No. 6— $1\frac{1}{4}$ -inch COMPOUND INJECTOR and 24 No. 6 KOMPOST BRICKS.

Fig. 37. 1 No. 6— $1\frac{1}{2}$ -inch COMPOUND INJECTOR and 54 No. 6 KOMPOST BRICKS.

Fig. 38. 1 No. 6—2-inch COMPOUND INJECTOR and 54 No. 6 KOMPOST BRICKS.

Assorted sizes of Compound Injectors are packed as orders are received.

The above shipments are assorted for those who have no knowledge of how to send in their first order. You will observe that we endeavor to impress it upon your mind that the Injector can do no good without the Kompost Bricks, and as long as there is a Kompost Brick or a portion thereof in the feeder you can obtain the results looked for.

No. 5— $\frac{3}{4}$ -inch Compound Injector I. P., each.....	\$12.00
No. 6—1 -inch Compound Injector I. P., each.....	15.00
No. 6— $1\frac{1}{4}$ -inch Compound Injector I. P., each.....	17.50
No. 6— $1\frac{1}{2}$ -inch Compound Injector I. P., each.....	20.00
No. 6—2 -inch Compound Injector I. P., each.....	23.00
Compost Bricks for No. 5.....	.25
Compost Bricks for No. 6.....	.35

COMPOUND INJECTOR FOR HARD WATER DISTRICTS

We highly recommend the use of the Compound Injector in the hard water districts, as it is being used by hundreds of the most practical plumbers throughout the country, and the reason we encourage the use of it, is because it keeps the coils free from lime and other scale and causes the Heaters to give much better satisfaction.

If you are troubled with your pipes clogging up try an Injector. If it does not do the work it will not cost you a cent. Try one.

